

**GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS**

**LOK SABHA
UNSTARRED QUESTION NO. 2866
TO BE ANSWERED ON 11.05.2016**

ULTRA MODERN SIGNALLING SYSTEM

2866. SHRI RAYAPATI SAMBASIVA RAO:

Will the Minister of RAILWAYS be pleased to state:

- (a) whether the Railways has installed its first ultra modern computer based signalling system and if so, the details thereof;**
- (b) the stations where this state of the art system has been commissioned;**
- (c) the advantage of installing this system along with the cost incurred thereon; and**
- (d) the other steps taken/being taken by the Government for developing an ultra modern centralised traffic system for increasing traffic handling capacity?**

ANSWER

MINISTER OF STATE IN THE MINISTRY OF RAILWAYS

(SHRI MANOJ SINHA)

(a) to (d) A Statement is laid on the Table of the House.

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (d) OF UNSTARRED QUESTION NO. 2866 BY SHRI RAYAPATI SAMBASIVA RAO TO BE ANSWERED IN LOK SABHA ON 11.05.2016 REGARDING ULTRA MODERN SIGNALLING SYSTEM

(a)&(b) Microprocessor based Signalling Systems called Electronic Interlocking (EI) Systems have been provided at 1005 stations on IR as on 31.3.2016. Number of stations provided on each zonal railway is as under:

S.N.	Railway	No. of Stations.
1	Central	27
2	Eastern	59
3	Northern	50
4	North Eastern	0
5	Northeast Frontier	99
6	Southern	102
7	South Central	66
8	South Eastern	78
9	Western	64
10	East Central	14
11	East Coast	101
12	North Central	126
13	North Western	90
14	South East Central	52
15	South Western	43
16	West Central	34
	Indian Railway	1005

(c) Electronic Interlocking Systems comply to the latest International Safety Standards. Also, these systems provide higher reliability due to in-built redundancy and are tamper-proof. Additionally, EI systems are modular in nature & thus they are easier to install/modify. Cost of the EI system at the station varies with complexity of the yard and operational requirements.

(d) EI systems have inherent capability of remote operation. This feature is being used for providing Centralised Traffic Control (CTC) System on Ghaziabad-Kanpur section of North Central Railway.
